

1. What is your name?

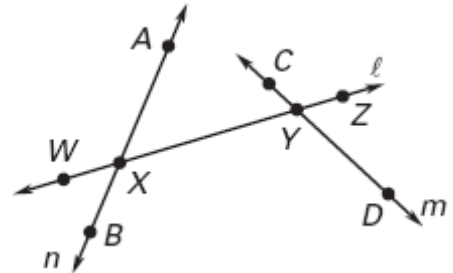
True or False.

2. _____ X, Y, and Z are coplanar.

3. _____ X, Y, and Z are collinear.

4. _____ \overleftrightarrow{YW} and \overleftrightarrow{YD} are coplanar.

5. _____ \overleftrightarrow{YX} and \overleftrightarrow{YZ} are coplanar.



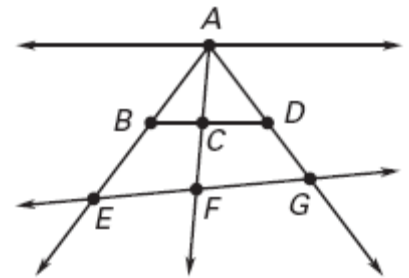
Name a point that is collinear with the given points.

6. F and E.

7. A and C.

8. F and C.

9. B and C.



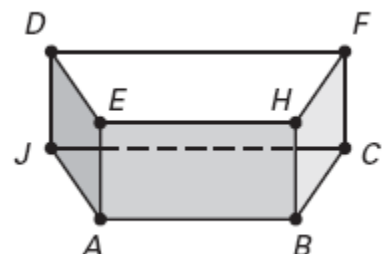
Name a point that is coplanar with the given points.

10. B, C, and J

11. H, E, and A

12. A, B, and C

13. D, E, and H



Sketch the lines, segments, and rays. Label your sketch.

14. Draw four noncollinear points A , B , C , and D . Then sketch \overline{AB} , \overline{BC} , \overline{CD} , \overline{DA} .

15. Draw five noncollinear points M , N , O , P , and Q . Then sketch \overline{MN} , \overline{OP} , \overline{PQ} , \overline{MP} , \overline{NO} .

16. Draw three collinear points H , I , and J with I between H and J . Add a point K between I and J .

17. Draw two points S and T . Then sketch \overrightarrow{ST} . Add a point U on the ray so that T is between S and U .

Sketch the figure described, if possible.

18. Two planes that intersect in a line.

19. Two planes that intersect in a single point.

20. Two rays that intersect at more than one point.

21. Two collinear rays that do not intersect.

Review

Describe a pattern in the sequence of numbers.

Predict the next number. *(Chapter 1 Section 1).*

22. 1, 6, 36, 216, ...

23. 2, -2, 2, -2, 2, ...

24. 8.1, 88.11, 888.111, 8888.1111, ...

25. 0, 3, 9, 18, 30, ...

Simplify the expression. (p 785)

26. $9 - (-4)$

27. $3 - (-8)$

28. $-5 - (-2)$

29. $-7 - (-5)$

Simplify the expression. Round your answer to two decimal places. (p 799)

30. $\sqrt{25+144}$

31. $\sqrt{(-3)^2 + 3^2}$

32. $\sqrt{9+16}$

33. $\sqrt{(-5)^2 + 10^2}$

